

Amendments to the Specification

Please replace paragraph [7] on page 3 with the following amended paragraph:

The optical connecting unit 70 includes a plurality of base station connecting units 80 equal to the number of remote stations 100.

Please replace paragraph [13] on page 6 bridging page 7 with the following amended paragraph:

A signal collected by the antenna 110 is applied to the LNA 160 by the duplexer 150, and the LNA 160 amplifies the applied signal and transmits it to the down/up converter 170. The down/up converter 170 down-converts the inputted signal, then up-converts the down-converted signal by performing a SAW-filtering thereon, and outputs a resulting signal to the optical transceiver 120. The optical transceiver 120 converts the output signal of the down/up converter 170 into an optical signal and transmits the optical signal through the optical cable 90 to the base station connecting unit 80 of the optical connecting unit 70. The optical connecting unit 70 includes one base station connecting ~~units-unit~~ 80 for each remote station 100.

Please replace paragraph [16] on page 7 bridging page 6 with the following amended paragraph:

The optical transceiver 200 of the remote station 105 converts the distributed optical signal into an RF signal and outputs the RF signal to a transmission signal level controller 230, and the transmission signal level controller 230 adjusts the inputted signal to a suitable voltage level and applies it to an HPA 140. The signal applied to the HPA 140 is amplified to a high power signal and transmitted through a duplexer 150 and an antenna 112 to a terminal.

Please replace paragraph [47] on page 15 with the following amended paragraph:

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The base station 11 of the present invention preferably outputs a plurality of digital channel signals. That is, signals transmitted between the base station 11 and the optical connecting unit 78 are digital I/Q signals. Digital I/Q signals outputted from a plurality of channel cards ~~(not shown)~~ 12 of the base station 11 are preferably transmitted to the multiplexer/demultiplexer unit 300 of the optical connecting unit 78. The multiplexer/demultiplexer unit 300 preferably converts the plurality of received digital I/Q signals from parallel to serial, multiplexes them, and outputs a digital serial signal. Then, the multiplexer/demultiplexer unit 300 preferably transmits the digital serial signal to the optical transceiver 45.

Please replace paragraph [50] on page 15 with the following amended paragraph:

The multiplexer/demultiplexer unit 310 preferably converts the received digital serial signal from serial to parallel, ~~demultiplexer-demultiplexes~~ it and outputs it to the up-converter unit 235. The multiplexer/demultiplexer unit 310 then preferably performs demultiplexing in synchronization with a clock signal of the clock unit 320.